BUNCHUK, V.A.; YABLONSKIY, V.S., prof., doktor tekhn.nauk, red.; RAZUMOVSKAYA, T.Ya., red.; LEBEDEVA, D.V., tekhn.red.

[Temperature regimen of reservoirs; applying the theory of heat resistance to the temperature regimen calculation of reservoirs and the development of measures for reducing the evaporation losses of petroleum products] Temperaturnyi rezhim rezervuarov; primenenie teorii teploustoichivosti k raschetu temperaturnogo rezhima rezervuarov i obosnovaniiu meropriiatii po snizheniiu poter nefteproduktov ot ispareniia. Pod obshchei red. V.S.IAblonskogo. Moskva, Otdel nauchno-tekhn. informatsii, 1958. 189 p. (MIRA 13:8)

RATUMOVSKAYA, V. F.: Master Med Sci (diss) -- "Changes in the lungs in metastatic tuberculosis of the eyes". Moscow, 1959. 15 pp (Second Moscow State Med Inst im N. I. Pirogov), 250 copies (KL, No 10, 1959, 129)

NOUNNOVA, I.Ye., prof., TRIPCHOVA, T.M., dotseat, PATRICHORATA, v.F.

Seventh All-Union Congress of Phthisistoriets, Ecv. Lei, 28
no.b:144-147 Je 165.

(MERA 18:8)

RAZUMOVSKAYA, V.F.; TRIFONOVA, T.M.

Complications in the antibacterial treatment of pulmonary tuberculosis.

Sov.med. 25 no.12:77-81 D '61. (MIRA 15:2)

(TUBERCULOSIS)

RAZUMOVSKAYA, V.F.; SURHANOVSKIY, V.P.

All-Union Conference on Problems in the Control of Tuberculosis.
Sov. med. 25 no.10:148-152 0 '61. (MIRA 15:1)
(TUBERCULOSIS\_PREVENTION)

KOCHNOVA, I.Ye., prof.; SEMENOV, A.D., prof.; YEVDOKIMOVA, A.D., dotsent; in ZUNIOVSKAYA, V.F., kand.med.nauk; TRIFONOVA, T.M.

Second All-Russian Conference of Phthisiologists. Sovet. med.
27 no.9:134-137 S'63 (MIRA 17:2)

Kazulmens Kd RAZUMOVSKAYA, V.F., aspirant Lung lesions in recurrent tuberculosis of the eye in patients receiving antibacterial preparations. Scv.med. 21 no.8:106-111 (MIRA 10:12) Ag 157. 1. Iz kafedry tuberkuleza (zav. - prof. I.Ye.Kochnova) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova. (TUBERCULOSIS, OCULAR, compl. pulm. & lymph node thuberc. appearing during successful ther. of eye tuberc. (Rus)) (TUBERCULOSIS, PULMONARY case reports, appearance during successful chemother. of ocular tuberc. (Rus)) (TUBERCULOSIS, LYMPH NODE, case reports, same)

BLUDDY, Mikhati Ivanovich; PERYSHKIN, A.V., retsenzent; SAKHAROV, D. I., retsenzent; [deceased]; MINCHENKOV, Ye.Ya., retsenzent; RAZUMOVSKIY, V.G., red.

[Talks on physics] Besedy po fizike. Moskva, Prosveshchenie. Pt.2. 1965. 162 p. (MIRA 18:8)

. EAZUMOVSKIAYH, YELE.

USSR/Cosmochemistry. leochemistry. Hydrochemistry

D

: Referat. Zhurnal Khimiya No 6 1957 18936. Abs Jour

Luthor

: Ye.E. Razumovskiaya.

Inst

: All-Union Geological Scientific Research Institute. : Upon the Character and Occurrence of Silt-Bearing

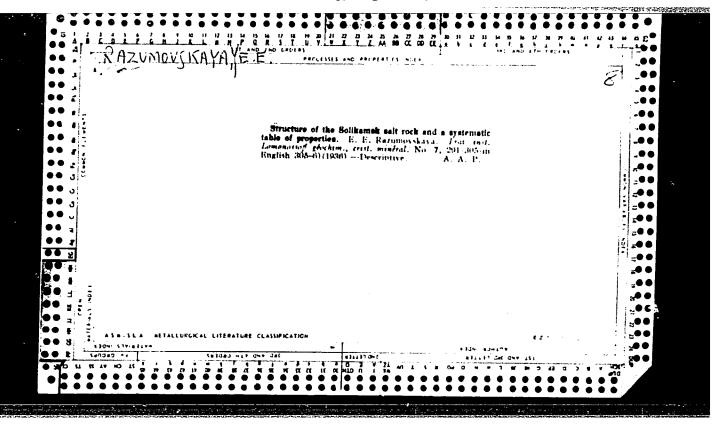
Title Phases in Siberia.

Orig Pub : Materialy Vses. N.-I. Geol. In-ta 1956 vyp 8 261-267.

Abstract : It is noted that the salt-bearing phases are coordinated to the series of dolomites and limestones of the upper part of  $Cm_1$  the red-colored arenaceous-argillaceous rocks of the bottom Cm3 and the red-colored schists of S. The epochs of the salt formation were distinguished by similar palegeographic conditions and tectoric regime (hot and dry climate great development of shallow lagoon and sea waters early stage of the platform stability). The deposition of salts took place on the platform edges in deflections of the rim and in zones of transition to geosynclines.

Card 1/2

-49-



```
RAZUMOVEKAYA, Ye.E.; ZAYTSEV, I.K.; BASKOV, Ye.A.; DRAGUTOV, V.I.;

PISARCHIK, Ya.K.

Frospects for finding oil and gas in the Siberian Platform. Mat.-
VSRGEI Ob.ser. no.23:3-43 '59. (MIRA 14:11)

(Siberian Platform--Petroleum geology)

(Siberian Flatform--Gas, Natural--Geology)
```

RAZUMOVSKAYA, Ye.E.

Classification and nomenclature of salt rocks. Trudy VSEGEI 72:74-84 '62. (MIRA 15:9)

(Salt deposits—Classification)

RAZUMOVSKAYA, Ye.E.

Geological and lithofacies characteristics of salt formations in the Siberian Platform. Trudy VSEGEI 66:5-20 '61. (MIRA 15:4) (Siberian Platform—Salt deposits)

VOLKOV, Vastliy Alek.androvich; FURIMOV, Iven Zakharovich; NATIN,
A.F., retsenzent; KUPTSOVA, L.D., retsenzent; SUCHKOV,
V.O., retsenzent; RAZUMOVSKAYA, Ye.V., red.

[Technology of leather] Tekhmologiia kozhi. Moskva, Legkaia industriia, 1964. 429 p. (MIRA 18:2)

FEDURKIN, V.V.; NESTERENKO, A.T.; KOVSHAROVA, L.A.; RAZUMOVSKAYA, Ye.I.;
OSIPOVA, Ye.V.; VASIL'YEVA, G.S.; PEKARSKIY, M.D., otv.red.;
ZVOROHO, B.P., zemestitel' otv.red.; BOLDYREV, B.V., red.; VOLODIN,
Ye.A., red.; DANIL'CHENKO, Ye.P., red.; ORSKIY, I.N., red.; MISHIN,
L.N., red.; FREYDIN, G.S., red.; TSEPELEV, Yu.A., red.

[Technological instruction material; aluminum and aluminum alloys for medical articles] Rukovodiashchie tekhnicheskie materialy; aliuminii i aliuminievye splavy dlia meditsinskikh izdelii. Moskva, M-vo zdravookhraneniia, 1959. 70 p. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.

(MEDICAL INSTRUMENTS AND APPARATUS) (ALUMINUM)

YELISEYEVA, Valentina Ivanovna; RAZUNOVSKAYA, Ye.V., red.; BATYREVA, G.G., tekhn. red.

[Film forming polymers for leather finishing] Polimernye plenkoobrazovateli dlia otdelki kozhi. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1961. 236 p. (MIRā 15:2) (Leather) (Finishes and finishing)

FRIDLY AND, Aleksandr Adol'fovich; NIKITIN, Georgiy Nikolayevich; TIMERHIN, N.A., retsenzent; RAZUMOVSKAYA, Ye.V., red.

[Additional production from the wastes of leather and fur manufacture] Dopolnitel'naia produktsiia iz otkhodov kozhevennogo i mekhovogo proizvodstva. Moskva, Legkaia industriia, 1965. 211 p. (MIRA 18:12)

VOYUTSKIY, Sergey Sergeyevich, prof., doktor khim.nauk; SOKOLOV, S.I., doktor tekhn.nauk, retsenzent; RAZUMOVSKAYA, Ye.V., red.; KHAKNIN, M.T., tekhn.red.

[Autohesion and adhesion of high polymers] Autogeziia i adgeziia vysokopolimerov. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. (MIRA 13:8) 241 p.

(Adhesion) (Polymers)

# RAZUMOVSKAYII, YE.V.

LITVINA, Lyudmila Markovna; POPOV, I.S., retsenzent; KULICHEV, A.F., retsenzent; BAZINOVSKAYA Ya.V., redaktor; EL'KINA, E.M., tekhnicheskiy redaktor.

[Fashioning wearing apparel from checks and plaids] Modelirovanie odezhdy iz kletchatykh tkanei. Moskva, Gos.nauchno-tekhnicheskoe izd-vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia SSSR, 1954. 61 p. (MLRA 8:3) (Fashion)

CHERNOV, Mikolay Vladimirovich, prof.; ARONINA, Yu.N., dots.; GAYDAROV, L.P., dots.; STRAKHOV, I.P., prof.; SHESTAKOVA, I.S., prof.; KOTOV, M.P., prof., retsenzent; MIKHAYLOV, A.M., prof., retsenzent; RAZUMOVSIATA, Ye.V., red.; KNAKHIN, M.T., tekhn.red.

[Chemistry of the leather and fur industries] Khimiia kozhevennogo i mekhovogo proizvodstva. Pod boshchei red. N.V.Chernova. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1957. 456 p.

(Fur) (Chemistry, Technical) (MIRA 11:3)

(Leather industry)

YELISEYEVA, Valentina Ivanovna; RAZUMOVSKAYA, Ye.V., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Theory and practice of finishing leather with dys and varnish]
Teoreticheskie osnovy i prakticheskie metody pokryvnogo krasheniia
i lakirovaniia kozh. Moskva, Gos nauchno-tekhn. izd-vo Ministerstva
promyshlennykh tovarov shirokogo potrebleniia SSSR, 1954. 252 p.

(MLRA 8:1)

(Leather industry) (Dyes and dyeing--Leather)

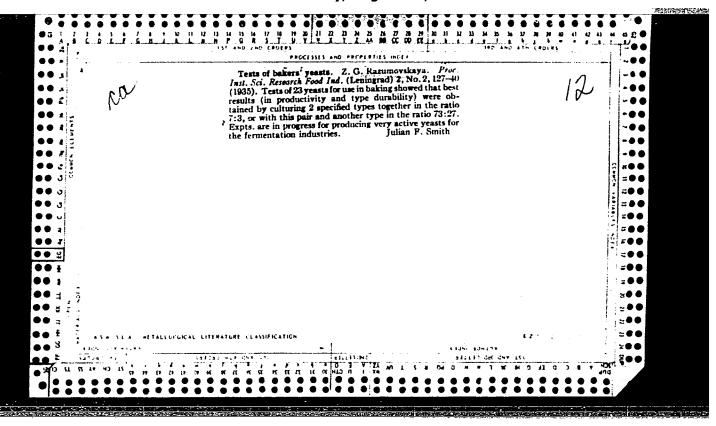
SHVEDSKIY, I.Ye: RAZUMOVSKAYA, Ye.V., redaktor; STRELETSKIY, I.A., tekhnicheskiy redaktor

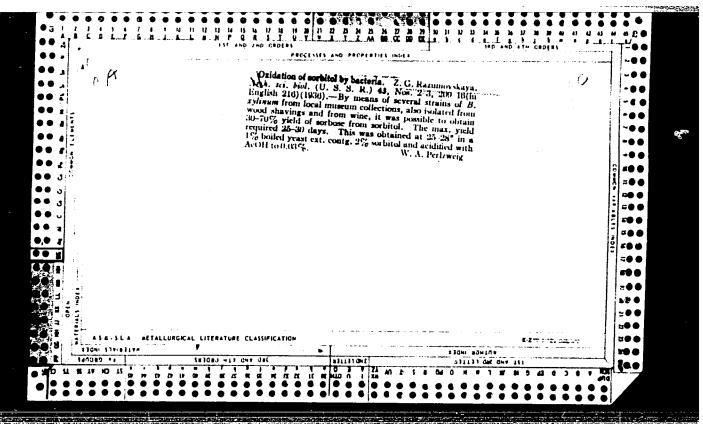
[General footwear technology] Obshchaia tekhnologiia obuvi. Moskva, Gos.nauchno-tekhn. izd-v0 legkoi, tekstil'noi i poligraficheskoi promyshlennosti, 1948. 529 p. (MLRA 8:7) (Shoe industry)

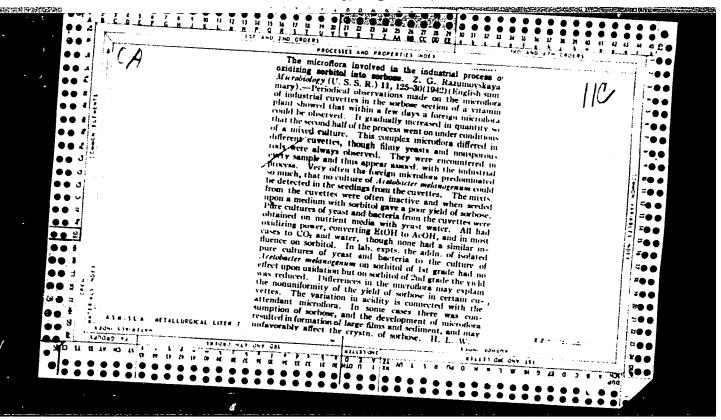
YEZERSKIY, Grigoriy Yevseyevich; MUKHANOV, Grigoriy Vasil'yevich; RAZUMOVSKAYA, Ye.V., red.; BATYREVA, G.G., tekhn. red.

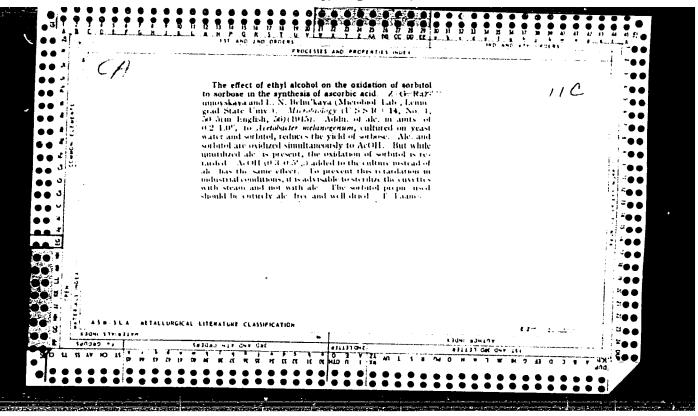
[Manufacture of light footwear and house slippers] Proizvodstvo legkoi i kommatnoi obuvi. Moskva, Rostekhizdat, 1962. 205 p. (MIRA 15:4)

(Shoe manufacture)

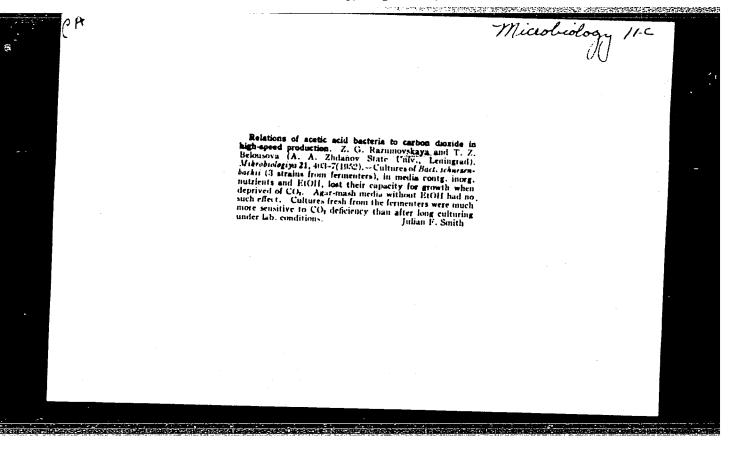


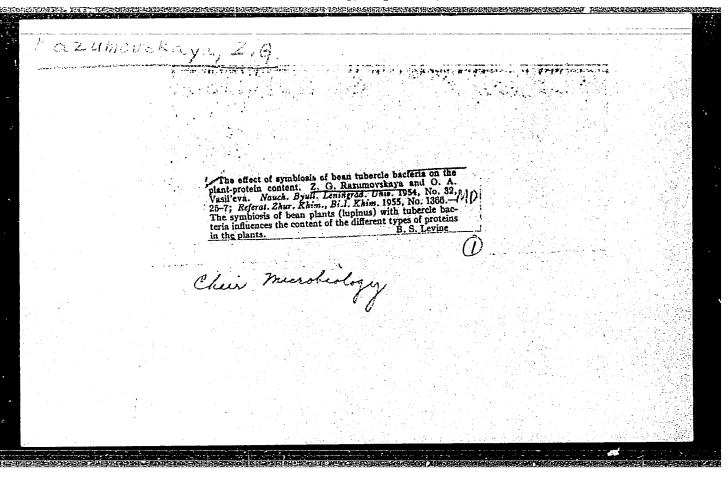






Effect of glucose on oridation of earbital by acetic acid bacteria. J. C., Rammorskaya and O. A. Vooleva (A. 121-06 (1186)). "Iniv. Leningrah. Miterobalogiya 10. 121-06 (1186). "Iniv. Leningrah. Miterobalogiya 10. Dept. College (1186). "Iniv. Leningrah. Mith 25, I and 25, IV. a chourt soft. But if CaCO, is with 13, I and 37, IV. about 30, E. But if CaCO, is with 13, I and 37, IV. about 30, E. But if CaCO, is with 13, I and 37, IV. about 30, E. But if CaCO, is with 13, I and 37, IV. about 30, E. But if CaCO, is with 13, I and 37, IV. about 30, E. But if CaCO, is with 13, I and 37, IV. about 30, E. But if CaCO, is with 13, I and 13, IV. about 30, E. But if CaCO, is with 13, I and 13, IV. about 30, E. But if CaCO, is with 13, I and 13, I and 14, I and 15, IV. about 30, IV. about 30,

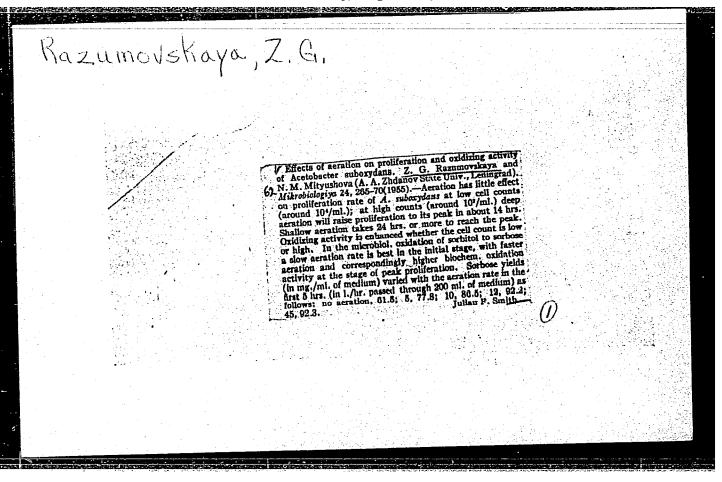




RAZUMOVSKAYA, Z.G., professor, redaktor; LOYTSYANSKAYA, M.S.; CHIZHIK, G.Ya.; MITYUSHOVA, N.M.; MEL'NIKOVA, G.G., redaktor; IVANOV, V.V., tekhnicheskiy redaktor.

[Manual on laboratory work on microbiology] Rukovodstvo k laboratornym zaniatiiam po mikrobiologii.[Leningrad] Izd-vo Leningradskogo universiteta, 1955. 68 p. (MLRA 8:12)

(Microbiological laboratories)



F-1

BAZU MOUSI: AYA

USSR/Microbiology - General Microbiology .

: Ref Zhur - Biol., No 3, 1958, 9750

: Razumovskaya, Z.G., Zhdan-Pushkina, S.M. Author

Inst

Abs Jour

Characteristics of Sorbose-Forming Bacteria, Depending Title

on Cultivation Conditions.

: Vestn. Leningr. un-ta, 1956, No 15, 107-116 Orig Pub

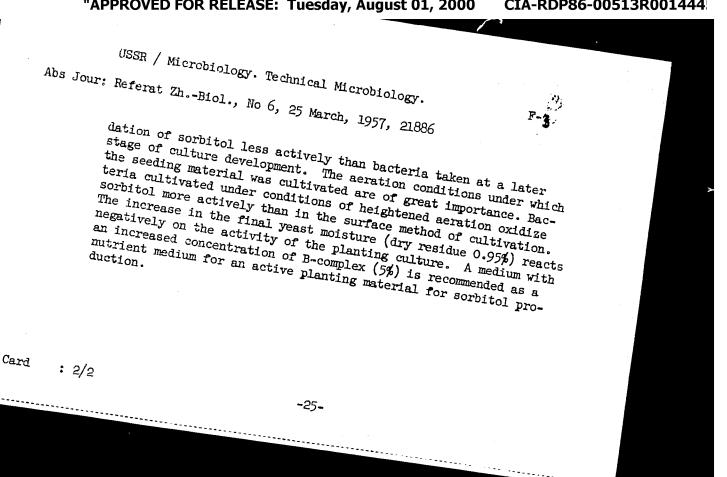
Increased aeration exerts an especially powerful effect on Abstract

bacterial multiplication during the initial hours of culture development and somewhat increases the numbers of bacteria. In media containing little nutrient, the lag-phase is lengthened and the entire process of propagation is very sluggish. An excess of nutrient substances in the lag-phase is also unfavorable to bacterial multiplication, and only in the final hours of culture development does the presence of increased nutrient substance secure an increase.

in numbers of bacteria. An increase in sorbitol concentra-

tion

Card 1/2



RAZUMOVSKAYA, Z.G.; LOYTSYANSKAYA, M.S.

Research on the physiology of Acetobacter. Mikrobiologiia 25 no.6: 727-741 N-D '56. (MIRA 10:1)

 Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova. (ACETOBACTER physiol. & metab., review)

- in a movo skayo, K. C

USSR/General Section - History, Classics, Personalities

A-2

Abs Jour

: Referat Zhurn. Biol. No 16, 25 Aug 1957, 67837

Author

: Razumovskaya, Z.G.

Title

: In Memory of Professor Nikolai Nikolaevitch Ivanov.

Orig Pub

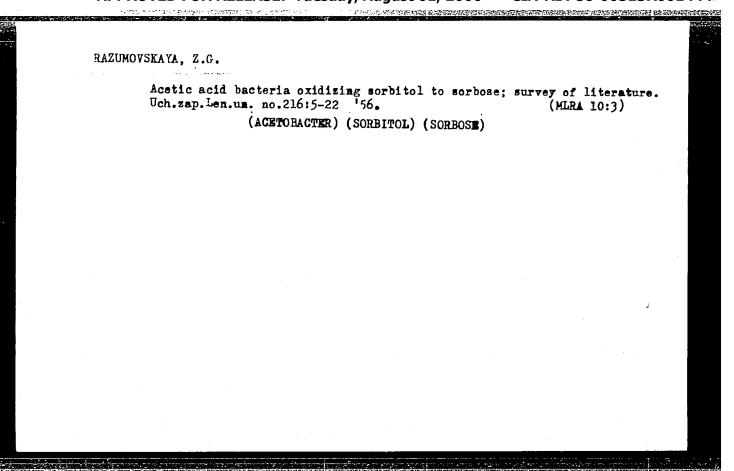
: Uch. zap. LGU, 1956, No 216, 3-4.

Abstract

: Note is taken on the 15th anniversary of the death of Ivanov (died in 1940) of studies in the fields of plant biochemistry and also physiology and biochemistry of microorganisms. By his initiative the synthesis of crystalline vitamin C was first undertaken in the USSR.

Card 1/1

- 20 -



RAZUMOVSKAYA, Z.G.; KONIKOVA, R.Ye.

Oxidation of crude sorbitol by acetic acid bacteria. Uch.zap.Lem.
un. no.216:23-30 '56. (MIRA 10:3)

(ACETOBACER) (SORBITOL) (SORBOSE)

RAZUMOVSKAYA, Z.G.; AVER'YANOVA, V.V.

Significange of mineral nitrogen in the oxidation of sorbitol to sorbose. Uch.zsp.Len.un. no.216:31-37 '56. (MIRA 10:3) (AMMONIUM SALTS) (SORBITOL)(SORBOSE) ACETOBACTER)

RAZUMOVSKAYA, Z.G.; ZHDAN-PUSHKINA, S.M.

Oxidation of sorbitol to sorbose in a medium with increased concentrations of sorbitol. Uch.zap.Len.un. no.216:38-48 156.

(SORBITOL) (SORBOSE) (ACETOBAR)

(MIRA 10:3)

RAZUMOVSKAYA, Z.G.; VASIL'YEVA, O.A.

Oxidation of glucose by acetic acid bacteria. Uch.zap.Len. un.
no.216:57-66 '56. (MIRA 10:3)

(CLUCOSE) (ACETOBACTER)

F-3

FAZUMENSKARA 2.6.

USSR/Microbiology - Soil Microbiology.

Abs Jour

: Ref Zhur - Biol., No 3, 1958, 9858

Author

Razumovskaya, Z.G., Mustafova, N.N.

Inst Title Observations on Microflora of Podzol Soils of Fir-Groves-Whortleberry and Fir-Groves-Acidulous Soils by Method of

Plate overgrowth.

Orig Pub

: Uch. zap. GFU, 1956, No 216, 160-169

Abstract

Soil microflora of forest podzol soils were studied by the method of plate overgrowth (of Kholodny). The character of fir-grove soils is described by their horizons; it was established that the number of microflora decreases with the depth of soil layer; that a considerable portion of the microflora in fir-grove podzol soils consists of bactethat there are more of the latter in fir-grove-aciduria; that there are more of the latter in soils lous than fir-grove-whortleberry soils; that in soils treated with KCl the growth of bacteria is markedly inhibited

Card 1/2

USSR/Soil Science - Soil Biology.

J

Abs Jour

: Ref Zhur Biol., No 19, 1958, 86787

Author

: Razumovskaya, Z.G., Vasil'yeva, O.A.

; NGZ

A STATE OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF T

Inst

: Leningrad State University.

Title

: Eifect of Nodule-forming Bacteria on the Chemical Composi-

tion of Leguminous Plant Protein.

Orig Pub

: Uch. zap. LGU, 1956, No 216, 196-201

Abstract

: Lupine plants (2 sorts) were cultivated in a vegetation experiment (sandy cultures) under varied nutrition conditions - in mineral N (Pryanishnikov solution with full rate of N and ½ rate of N) and with the inoculation of nodule-forming bacteria. Root nodules were not found in the plants in mineral N. In the variants with inoculation, root nodules were formed in all plants. When infected with active strains the root nodules were large, pinkish,

Card 1/2

USSR/Soil Science - Soil Biology.

: Ref Zhur Biol., No 19, 1958, 86783

Author : Razumovskaya, Z.G., Vasil'yeva, O.A.

Inst : Leningrad State University

Title : Certain Data on the Structure of Lupine Root Nodules

Infected with Active and Inactive Strains of Nodule-

forming Bacteria.

Orig Pub : Uch. zap. LGU, 1956, No 216, 202-210

Abstract : Microtomic slices (8 to 10 ) of the roots of lupine with

nodules which were formed under the influence of active and inactive strains of nodule-forming bacteria, were studied. The trend of nodule growth was identical in both cases: a bacteroidal tissue, vessels and vascular bundles are formed. The active nodule, however, grows intensively, its bacteroi-

J

dal tissue occupies considerable space and is filled with

Card 1/2

Abs Jour

USSR / General Biology. Evolution.

B-6

Abs Jour: Ref Zhur-Biol., No 18, 1958, 81109.

Author : Razumovskaya, Z. G.

Inst : Not given.

Title : Concerning the Species in Microorganisms.

Orig Pub: Vestn. Leningr. un-ta, 1957, No 21, 144-146.

Abstract: The difficulties, originating with the study of

species characteristics and intra-species differentiation of microorganisms, were pointed out. However, the considerable material, available at the present time (examples are provided), affirm that, in the world of microorganisms, species and intra-species subdivisions represent the same reality as they appear in other

groups of living creatures.

Card 1/1

USSR / Microbiology. General Microbiology. Physiol-F-1ogy and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71911.

Author : Razumovskaya, Z. G.

Inst : Not given.

Title : On a Discussion of Chemosynthesis.

Orig Pub: Mikrobiologiya, 1957, 26, No 2, 228-231.

Abstract: The author thinks that the materials of Kalinenko's article (RZhBiol, 1957, 49841) provide no grounds for the negation of Vinogradskiy's study of chemosynthesis. In particular, he points out that Kalinenko's experiments in an organic medium without a carbohydrate control are not conclusive; doubts are expressed concerning the purity of the culture of nitrifiers which were available to Kalinenko. It is proposed that Kalinenko's iron

bacteria cultures comprised myxotrophic or even heterotrophic organisms. -- A. S. Razumov.

Card 1/1

RODINA. Antonina Gavrilovna,; RAZUMOVSKAYA, Z.G., prof., otv. red.; STREIKOV, A.A., red. izd-va,; TVRVETINOVA, K.S., tekhn. red.

[Micro-organisms and the increase in production of fish in ponds]

Mikroorganizmy i povyshenie ryboproduktivnosti prudov. Moskva,

Izd-vo Akad. nauk SSSR, 1958. 170 p.

(Water-Bacteriology)

(Fish ponds)

RAZUMOVSKAYA, Z.G.; OSIPOVA, I.V.

Relationship between the number of living and dead bacteria in a growing Acetobacter melanogemun culture [with summary in English]. Mikrobiologiia 27 no.6:727-732 N-D '58. (MIRA 12:1)

1. Leningradskiy goqudarstvenny universitet imeni A.A. Zhdanova.

(ACETOBACTER, culture,

melanogenum, eff. of dead/living bact. ratio in

culture on multiplication (Rus))

RAZUMOVSKAYA, Z.G.

Role of the concentration of substances in the culture medium in the oxidation of **arbitol** by acetic acid bacteria. Trudy Inst. mikrobiol. no. 6:46-51 '59. (MIRA 13:10)

1. Leningradskiy Gosudarstvennyy universitet im. Zhdanova. (SORBITOL) (ACETOBACTER)

RAZUMOVSKAYA, Z.G.; MUSTAFOVA, N.H.

Biological activity of soils in wood-sorrel and whortleberry spruce forests. Vest.LGU 14 no.3:48-56 '59. (MIRA 12:5) (FOREST SOILS) (SOILS--BACTERIOLOGY)

RAZUMOVSKAYA, Z.G.

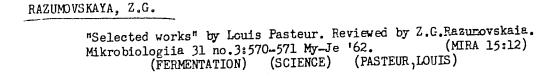
Scientific and pedagogical activities of Boris Lavrent'evich Isachenko; on the tenth anniversary of his death. Vest.LGU 14 no.15:145-148 '59. (MIRA 14:4) (Isachenko, Boris Lavrent'evich, 1871-1948)

RAZUMOVSKAYA, Zineida Georgiyevna; prof.; CHIZHIK, Genovefa Yakovlevna; EROMOV, Boris Vasil'yevich; PETROVICHEVA, O.L., red.; ZHUKOVA, Ye.G., tekhn.red.

[Laboratory exercises in soil microbiology] Laboratornye zaniatiia po pochvennoi mikrobiologii. Leningrad, Izd-vo Leningr. univ., 1960. 183 p. (NIRA 14:1)

(SOIL MICRO-ORGANISMS)

CIA-RDP86-00513R001444 RAZUMOVSKAYA, Z.G. Ways of using microorganisms in the synthesis of vitamin C. Mikrobiologiia 31 no.1:172-178 Ja-1 162. (MIRA 15:3) l. Leningradskiy gosudarstvennyy universitet imeni Zhdanova. (ASCORBIC ACID) (MICROBIOLOGY)



"Investigation of the processes and factors of heating" by N.N.Strygin. Reviewed by Z.G.Faz prom. 39 no.3:38-39 162.  (Peat) (Strygin, N.N.)			f peat spontaneous sumovskaia, Torf, (MIRA 15:4)		

RAZUMOVSKAYA, Z.G.; FAN: YUN:-LYU [Fan Yun-liu]

Active and inactive nodules of legumes. Trudy Inst.mikrobiol. no.ll:169-176 '61 (MIRA 16:11)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.

4

MATYSYAK, V.G.; RAZUMOVSKAYA, Z.I.

Birth injuries of newborn infants and their effect on their development. Akush. i gin. 39 no.4:106-110 J1-Ag'63 (MIRA 16:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. M.A. Petrov-Maslakov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta i rodil'nogo doma imeni V.F.Snegireva (glavnyy vrach A.A. Dodor).

1. 4. If the second of the second sec

RAZUMOVSKAYAL MOLUKALO, 1.5.

Mental disorders in intratranial abeurysma. Shur, nevr. i psikh. 64 no.8:1205-1210 '64. (MIRA 17:12)

1. Otdel organicheskoy paikhopatologii (zaveduyushchiy - prof. A.L. Abashev-Konstantinovekiy) Ukrainskogo instituta neyrokhirurgii (dirketor - prof. A.L. Aretyunov), Kiyev.

The companies of the co

#### RAZUMOVSKAYA-MOLUKALO, L.P.

Disorders of unconditioned and conditioned reflex functions in the acute stage of non-penetrating cerebrocranial injuries. Vop.neiro-khir. 19 no.2:27-33 Mr-Ap '55. (MLRA 8:7)

# RAZUMOVSKAYA-MOLUKALO, L.P.

Characteristics of psychopathologic disorders and disorders of unconditioned reflex functions in diencephalic tumors. Zhur. nevr. i psikh. 54 no.6:537-543 Js \$54. (MIRA 7:7)

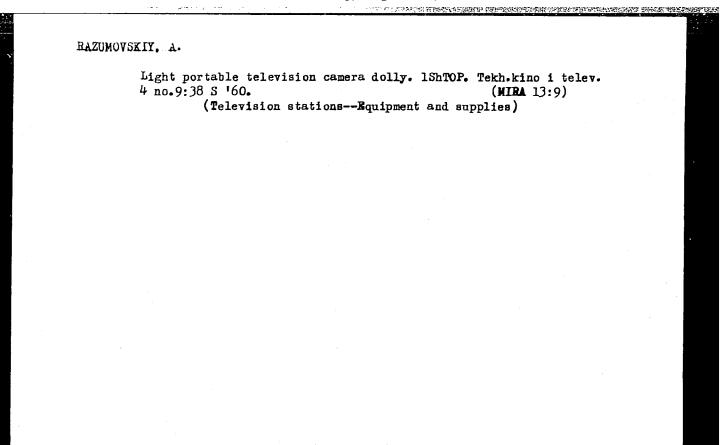
1. Nauchno-issledovatel skiy institut neyrokhirurgii Ministerstva zdravookhraneniya USSR.

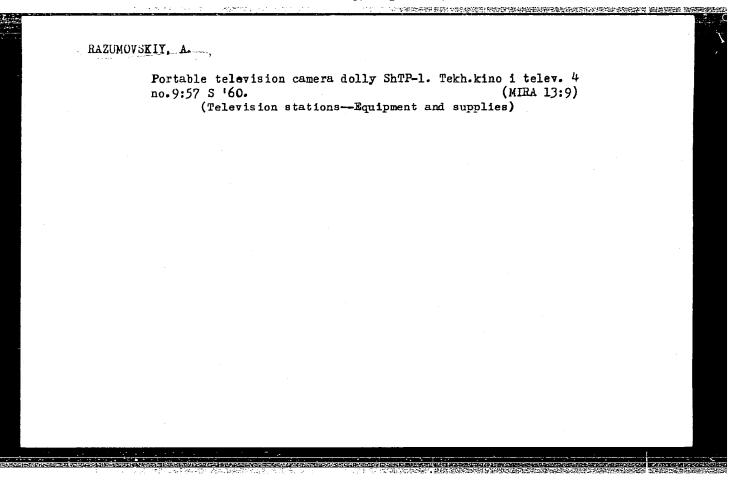
(DIENCEPHALON, neoplasms, \*manifest., psychopathol. disord. & unconditioned reflex funct.)
(REFLEX.

\*unconditioned, in diencephalic tumors)
(MENTAL DISORDERS, etiology and pathogenesis,
\*diencephalic tumors)

#### ABASHEV-KONSTANTINOVSKIY, A.L.; RAZUMOVSKAYA-MOLUKALO, L.P.

Some peculiarities of the syndromes of deafening and pathological sleep in brain tumors. Problemeirokhir. 4:67-84 \*59. (MIRA 13:11) (BRAIN--TUMORS) (PERSONALITY, DISORDERS OF)





Tractor for work on seedlings. Sel'.mekh. no.3:34 '62.

(MIRA 15:3)

1. Sovkhoz Belidzhinskiy, Dagestanskaya ASSR.

(Tractors) (Seedlings)

TACC NR. AP6029062

SOURCE CODE: UR/0413/66/000/014/0100/0101

INVENTOR: Razumovskiy, A. F.; Babkin, N. V.

ORG: None

TITLE: An ultrasonic inspection head with depth scanning of the focal spot. Class

42. No. 184000

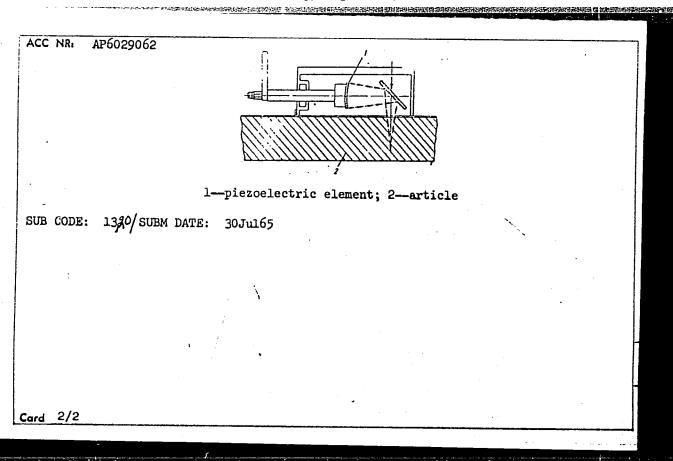
SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 100-101

TOPIC TAGS: ultrasonic inspection, piezoelectric transducer

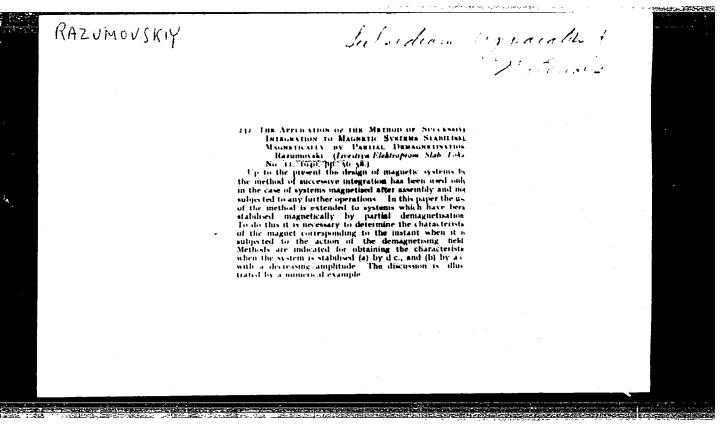
ABSTRACT: This Author's Certificate introduces an ultrasonic inspection head with depth scanning of the focal spot. The unit may be used in the contact or immersion modification. The instrument contains a focusing piezoelectric element and a hollow reflecting mirror which may be set at any angle to the surface in contact with the article being inspected. The focusing piezoelectric element-emitter may be moved parallel to the plane in contact with the article for scanning of the focal spot with respect to depth.

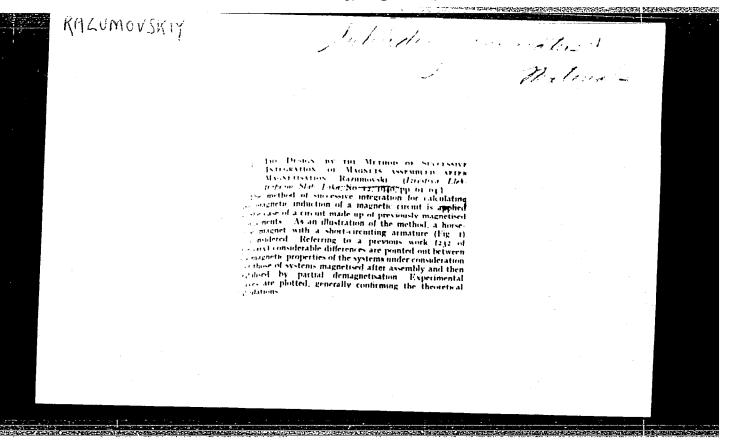
Card 1/2

UDC: 620.179.16



RAZUMOVSKIY,A.F.	
Automatic clinker spraying. TSement 21 no.2:25 Mr-Ap 155. (MIRA 8:8)	
l. Volkhovskiy tsementnyy zavod. (Cement industries)	





RAZUMOVSKIY, A. N., LIPOVSKIY, A. A., KALITEYEVSKIY, N. I., ZAYDEL, A. N., and YAKIMOVA, P. 2

"Spectral Analysis of the Gd, Eu, and Sm Content of Metals," by A. N. Zaydel', N. I. Kaliteyevskiy, A. A. Lipovskiy, A. N. Razumovskiy, and P. P. Yakimova, Vestnik Leningradskogo Universiteta, Vol 11, No 4, Oct-Dec 56, pp 18-40

In the introduction to the article, it is pointed out that a number of rare earth elements including Gd, Eu, and Sm have exceptionally large cross sections of thermal neutron capture (38,000 barns for Gd, 2,500 barns for Eu, and 8,000 barns for Sm), which are equaled only by that of Cd (2,800 barns) and that consequently many materials must be freed of even the smallest trace of these elements. To accomplish this, sensitive methods of analysis are required: the sensitivity of the determinations must be no less than of the order of 0.0001%. It is stated that although two US papers on the spectroscopic determination of small amounts of rare earths in uranium and one US paper on the determination of rare earths in zirconium have been published, a reliable, universally applicable method for the determination of rare earths in metals is lacking.

The authors then say that work on the development of a suitable method for this purpose was conducted at their laboratory during the period 1949-1954, and proceed to cutline the results of this work, which dealt with the development of a set of analytical procedures based on emission spectroscopy. They first discuss the method of concentration of rare earth elements used by them, which involves introduction of lanthanum that ace as a carrier. A general section on the spectral analysis of the concentrates obtained by the method described follows. A detailed description of the determination of traces of Gd, Eu, and Sm in thorium is then given. According to the description, the rare earth elements are separated from thorium before the spectral analysis by extracting the nitrates with ether. The effects on the analytical procedure of impurities consisting of iron, aluminum, silicon, chromium, and cerium are discussed. The procedure for the determination of Gd, Eu. and Sm in uranium, which is described in the next section, is essentially the same as that for thorium.

In the section on the determination of Gd, Eu, and Sm in beryllium, the statement is made that beryllium oxide which is used in nuclear power technology must be pure, and that the determination of traces of Gd, Eu, and Sm in beryllium is therefore of considerable practical importance. Separation of the rare earths (including the La carrier) from Be in the procedure described is achieved by precipitation with oxalic acid from a BeCl<sub>2</sub> solution with the use of calcium as an additional carrier.

In connection with the description of the procedure for the determination of Gd, Eu, and Sm in bismuth, it is stated that Bi has a small cross section of thermal neutron capture and can be used as a reactor coolant. Under the circumstances, according to the article, procedures by which one may check for the presence in bismuth of rare-earth elements with a large cross section of neutron capture are essential. Separation with a large-earth elements from bismuth is effected by the hydrolytic of the rare-earth elements from bismuth is effected by the hydrolytic decomposition of bismuth chloride during the course of electrolysis.

The section on the determination of rare-earth impurities in zirconium is introduced by the statement that zirconium is used as a construction material for nuclear reactors, because it has a small cross section of thermal neutron capture and a sufficiently high stability at high temperatures. According to the article, zirconium for nuclear reactor applications must be free of rare-earth elements with a large neutron applications must be free of rare-earth elements with a large neutron capture cross section. The chemical procedure for the separation of the rare earth elements from zirconium, which is based on the precipitation of Zr in the form of its phosphate and that of the rare earth elements in the form of their oxalates, is rather complicated. It is described in detail and illustrated with a chart.

In conclusion the authors say that the results of the work done by them on the determination of Gd, Eu, and Sm in Th, U, Be, Bi, and Zr confirm the advisability of using the analytical procedure which they have developed. They add that they have also done work on the determination of rare earth elements in Fe, Al, and Mg in connection with investigations on the rare-earth content in soils and checked the possibility of applying their method in the determination of Gd, Eu, and Sm in Cu. They found that the sensitivity of the determination of Gd, Eu, and Sm in all the metals mentioned above amounted to approximately 10-M, and that this sensitivity can be increased still further by subjecting larger samples to analysis. For the reasons stated, they assume that the method used by them is satisfactory and generally applicable for the purpose of determining rare-earth elements in metals.

S.m 1253

USSR/Soil Science - Physical and Chemical Properties of Soil.

Abs Jour

: Ref Zhur Biol., No 19, 1958, 86767

Author

: Zaydel', A.N., Kaliteyevskiy, N.I., Razumovskiy, A.N.

Inst

: Leningrad University.

Title

: Determination of the Content of Certain Rare-Earth

Elements in Soils.

Orig Pub

: V.sb.: Primeneniye metodov spektroskopii v prom-sti pro-

dovol'stvennykh tovarov i s.kh., L., LGU, 1957, 29-35.

Diskus. 35-38

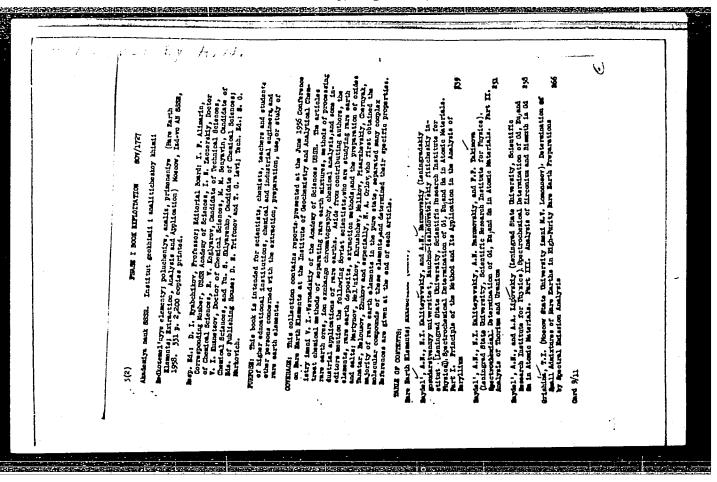
Abstract

: A method of determining the content of La, Na, Gd, Eu, Sm in soils, based on chemical concentration and subsequent spectral analysis of soil specimens. The procedure is described in chemical concentration of soil specimens with the indicated elements. As carrier and internal standard 100 to 200 mg. In are introduced in the test sample.

Card 1/2

11.,	りことがストレ	<i>A) - 1</i> 9-					
AUTHORS:	Kaliteyevsk:	iy, N. I., Raz	umovskiy,	A. N.		89-	-12-12/29
TITLE:	analiz maly	ic Analysis of kh prob aktini	уа)				
PERIODICAL:	Atomnaya En	ergiya, 1957,	Vol. 3, N	Ir 12, pp	. 548	3-550 (ប	SSR)
ABSTRACT:	pendages, 3 conductor a ultra-viole	m spectrum was of whichserve different spe t part the spe h I.S.P.51 was -55 with opti	ed as light ectrographectr	nt conduct n was inst n 4-24, f or the ar	talle or the	ed, name he visib 700-5000	ly: for the le part the
	The followi	ng actinium 13	lnes were	Legister	cu.		Int ans
	The followi	ng actinium li	lnes were	Legister	Nr_		Intens.

10 2856,2 2 28 3130,5 2 46 3481,0 10 11 2895,2 3 29 3153,2 8 47 3489,5 8 12 2896,7 5 30 3154,5 9 48 3539,5 4 13 2952m9 10 31 3164 8 49 3555,0 5 14 2994,3 10 32 3171,3 3 50 3565,5 10 15 3001,8 2 33 3176,8 2 51 3756,6 6 16 3019,5 7 34 3202,1 2 52 3885,5 5 17 3043,4 10 35 3204,9 3 53 3915,1 4 18,3069,4 7 36 3219,3 4 54 4034,5 4  There are 6 references, 5 of which are Slavic.  SUBMITTED: February 16, 1957  AVAILABLE: Library of Congress	Spectroscopic	Analysis of Small Actimium Samples.						89-1	12-12/29	
There are 6 references, 5 of which are Slavic.  SUBMITTED: February 16, 1957		11 2895,2 12 2896,7 13 2952m9 14 2994,3 15 3001,8 16 3019,5	5 10 10 2 7	29 30 31 32 33 34	3153,2 3154,5 3164 3171,3 3176,8 3202,1	9 8 3 2 2	47 48 49 50 51 52	3489,5 3539,5 3555,0 3565,5 3756,6 3885,5	8 4 5 10	
	SUBMITTED:	18,3069,4 There are 6	7 referenc	36	3219,3	4	54		4	



ZAYDEL', A.N.; KALITEYEVSKIY, N.I.; LIPOVSKIY, A.A.; RAZUMOVSKIY, A.N.; YAKIMOVA, P.P.

Spectrochemical determination of Gd, Eu, and Sm in metals. Fiz.sbor. no.4:37-40 '58. (MIRA 12:5)

1. Fizicheskiy institut Leningradskogo ordena Lenina gesudarstvennogo universiteta imeni A.A.Zhdanova. (Gadolinium--Spectra) (Europium--Spectra) (Samarium--Spectra)

MAZOMOVSKIY, MIN.

AUTHORS: Kaliteyevskiy, N. I., Lipovskiy, A. A., 75-13-3-24/27

Razumovskiy, A. R., Yakimova, P. P.

TITLE: Spectroscopic Analysis by Means of Evaporation

的复数 经基础的 医动物 (1995年) 1995年 (1995年) (1

(Spektral'nyy analiz metodom ispareniya).

Communication 6. The Determination of Cadmium, Germanium, Indium, Gallium, Gold, Antimony and Lead in Pitchblende (Soobshcheniye 6. Opredeleniye kadmiya, germaniya, indiya, galliya, zolota, sur'my i svintsa v zakisi-okisi urana)

PERIODICAL: Zhurnal analiticheskoy khimii, 1958, Vol 13, Nr 3,

pp 372-573 (USSR)

ABSTRACT: The principles for methods of evaporation were published

in earlier papers (References 1-3). The possibility was also shown to determine admixtures of other elements in the difficultly volatile oxides U<sub>3</sub>O<sub>8</sub>, Al<sub>2</sub>O<sub>3</sub>, ThO<sub>2</sub>, BeO<sub>2</sub>

in this manner. The main condition for the efficiency of an evaporation method is a sufficiently high difference in the liquids among the admixtures to be determined

Card 1/4 and the chief component. In the present paper an evapora-

Spectroscopic Analysis by Means of Evaporation. 75-13-3-24/27 Communication 6. The Determination of Cadmium, Germanium, Indium, Gallium, Gold, Antimony and Lead in Pitchblende

tion method for the determination of a number of liquid elements (Cd, In, Ge, Ga, Au, Sb, Pb) in pitchblende is worked out. Experimental data on the evaporation of the admixtures were already described earlier (Reference 1). The evaporation is performed at the air, as on heating in a vacuum a decomposition of  $U_3O_8$  under formation of the more easily volatile  ${\tt UO}_{\bf 3}$  takes place. In the determination of  $\sim 3.10^{-5}\%$  cadmium and indium difficulties arose. At 1600-1700°C an intensive evaporation of CdO occurs, but it is not complete, as cadmium is anew deposited at the electrode on a temperature rise to 1900-2000 C. For avoiding a systematic error the evaporation must therefore by all means be performed at~2000°C. This temperature is also sufficient for completely expelling all oxides of all other elements to be determined (In, Ge, Ga, Au, Sb, Pb) and is not high enough to cause a marked evaporation of  $U_3^0_8$ . For the determination of

Card 2/4

Spectroscopic Analysis by Means of Evaporation. 75-13-3-24/27 Communication 6. The Determination of Cadmium, Germanium, Indium, Gallium, Gold, Antimony and Lead in Pitchblende

Cd, In and Sb weighed portions of 200 mg  $\rm U_3O_8$  had to be When dividing this amount into four portions and four times evaporating the admixtures at the same electrode a more intensive blackening of the respective spectral lines occurs than in works with the total amount. The division therefore increases the sensitivity, but considerably retards the analysis. The technical data of the spectroscopic analysis of the sublimates are given in the paper. As the sensitive lines of the elements to be determined lie in different parts of the spectrum it is expedient, simultaneously to photograph the spectrum on 2 spectrographs TSP -22 or Q-24 and ISP-51). For the line In I (45!1.3 A) silver electrodes were used, as on copper electrodes this line of indium is overlapped by the intensive line Cu 4509,4 %. For recording the line Cd II (2265 %) which lies in the distant ultraviolet special photographic plates ("spektral'nyye", type III) were used. The

Card 3/4

我是我们的心理。你你们我们也是我们的就是我们是是我们的是我们是我们的是是不是不**是** 

75-13-3-24/27 Spectroscopic Analysis by Heans of Evaporation. Communication 6. The Determination of Cadmium, Germanium, Indium, Gallium, Gold, Antimony and Lead in Pitchblende

mean quadratic error of an individual determination of one of the above-mentioned elements does not exceed 15-20%. The analytical lines of the individual elements used for the determinations and the different sensitivities are given. A. N. Zaydel' gave valuable advice, G. G. Kuid performed the control experiments.

There are 1 figure, 1 table, and 3 references, 3 of which

are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet im. A. A.

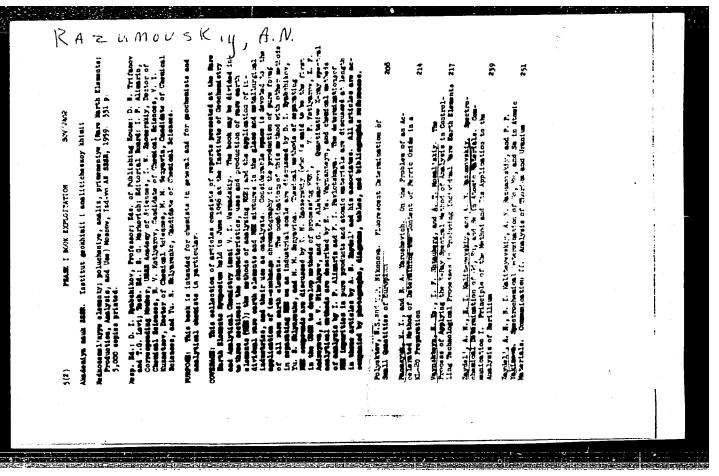
(Leningrad State University imeni A. A. Zhdanov)

February 7, 1957 SUBMITTED:

1. Evaporation--Applications 2. Pitchblende--Spectrographic

analysis

Card 4/4



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0014445

S/051/61/010/001/003/017 E201/E491

11.4130

AUTHORS:

Zaydel', A.N., Razumovskiy, A.N. and Chayka, M.P.

TITLE: A Spectroscopic Analysis of the T

A Spectroscopic Analysis of the Isotopic Composition

of Lithium

PERIODICAL: Optika i spektroskopiya, 1961, Vol.10, No.1, pp.15-18

TEXT: The authors describe a spectroscopic method for analysis of the isotopic composition of lithium, based on measurements of the component intensities of a resonance doublet at 6707.8 Å. A hollow-cathode discharge tube was used as the light source. It is shown schematically in Fig.1. The isotopic structure was recorded using a Fabry-Perot interferometer. To separate out the required line, a diffraction-grating monochromator was employed. The optical part of the apparatus is shown in Fig. 2, where 1 and 5 are slits, 2, 4, 6 and 9 are objectives, 3 is a diffraction grating, 7 is a Fabry-Perot interferometer enclosed in a chamber 8, 10 is an iris diaphragm, 11 is a receiver (a photomultiplier \$3> -22 (FEU-22) ). The pressure in the chamber 8 was varied periodically, using an automatic

Card 1/3

S/051/61/010/001/003/017 E201/E491

A Spectroscopic Analysis of the Isotopic Composition of Lithium

control device (Fig.3). The signal from the photomultiplier was passed to a d.c. amplifier and then to an automatic recorder **ЭПП**-09 (EPP-09). An example of the records obtained is given in Fig.4 for a sample containing 2% Li<sup>6</sup>. Neglecting selfabsorption and other effects, the concentrations were calculated from

$$\frac{C_{Li6}}{C_{Li7}} = \frac{I_b}{I_a} - \frac{1}{2}$$

VC

where  $I_b$ ,  $I_a$  are the intensities of the components of the 6707.8 Å line shown in Fig.5. A calibration curve used in calculations is given in Fig.6. The sensitivity of the method described here was 0.5% Li<sup>6</sup>. The errors were represented by a coefficient of variation of 0.15 to 0.7% for Li<sup>6</sup> contents from 40 to 90%. The time required for each analysis was 10 to 15 min and the minimum amount of lithium was 5 to 10  $\mu$ g (0.05 mg LiCl).

Card 2/3

S/051/61/010/001/003/017 E201/E491

A Spectroscopic Analysis of the Isotopic Composition of Lithium

Acknowledgments are made to T.N.Krylova for preparation of the interferometer plates and G.M.Malyshev for help in some stages of this work. The work was carried out in 1956-7. There are 6 figures and 10 references: 4 Soviet and 6 non-Soviet (one of which is translated into Russian).

10

SUBMITTED:

January 21, 1960 (to the Editor of "Atomnaya Energiya") April 16, 1960 ( to the Editor of "Optika i

Spektroskopiya")

Card 3/3

S/032/62/028/001/002/017 B125/B138

AUTHORS:

Zil'bershteyn, Kh. I., Kaliteyevskiy, N. I., Razumovskiy,

A. N., Fedorov, Yu. F.

TITLE:

Hollow-cathode discharge for analysis of impurities in

silicen

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 1, 1962, 43-45

TEXT: The authors studied the spectrum analysis of impurities in silicon with the aid of a hollow thermionic cathode. These impurities were concentrated by treating Si powder with fluoric and nitric acid vapors on a teflon film. Teflon films with a standard and with the test specimen were put at the bottom of a hollow carbon cathode which was heated to  $550\,^{\circ}\text{C}$ . On complete volatilization of the teflon specimen and standard became attached to the bottom of the cathode. The spectra were taken by a hollow-cathode discharge in a helium current (10 - 15 mm Hg,

discharge amperage 900 ma), using an MCT-22 (ISP-22)-spectrograph and type  $(\Pi-2(SP-2))$  photographic plates. The spectral lines of both the volatile and non-volatile impurities had maximum intensity at 800 - 1000ma.

Card 1/3

S/032/62/028/001/002/017 B125/B138

Hollow-cathode discharge for ...

Since the impurity elements in the teflon could not be determined accurately enough by the present method the silicon powder contained in the two half cylinders of a hollow cathode (Fig. 1) was pretreated by acid vapors. The impurity concentrate was attached to the interior of the cathode by two drops of a solution of polystyrene in benzene. Discharge in a composite hollow cathode takes place in the same way as in an ordinary one. The spectral lines of the volatile impurities Zn, Pb, In have maximum intensity at 400 - 600 ma, but remain almost constant when the amperage is further increased. Those of the less volatile impurities Fe, Ni. Mn, Mg and others have maximum intensity at 800 - 1000 ma. The totality of the elements was therefore determined at 800 - 900 ma with a 2 min discharge. Screens between the cathodes prevented undesirable side effects. Under the conditions described, the absolute accuracy of quantitative analysis is 3-5-10-10 g Ag, Mn, Cu; 6-10-10 g Ga, In;  $(3-5)\cdot 10^{-9}$  Gg Al, Ni;  $(6-7)\cdot 10^{-9}$  g Mg, Fe. The accuracy of the Mg, Al. Fe, Cu determination depends on the traces of these elements in the cathode material. Reproducibility is poor. The measuring arrangement is similar to that of Yu. I. Korovin, L. V. Lipis (Optika i spektroskopiya, 5, 3, 334 Card 2/3

AUTHOR: Kaliteyevskiy, N. I; Razumovskiy, A. N.; Chayka, M. P.; Cherenkovskiy,

V. A.
TITIE: Experiments with gaseous Lasers

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. ..., 1964,

TOPIC TAGS: gaseous laser, continuous gaseous laser, laser beam structure, helium neon laser, stimulated emission

ABSTRACT: The authors have experimented with a continuous gas laser (Ne:He=1:7) working on a wavelength of 1.15 \( \mu\) which corresponds to the 2s-2p transition in neon. The study consisted of an investigation of; 1) the intensity of the generated power (stimulated radiation) as a function of the input power, the diameter of the discharge tube, and of gas pressure; 2) the contribution to radiation of the various parts of the liucharge; and 3) the structure of the generated beam. It was confirmed in the authors experiments that the intensity of the generated beam reaches a maximum with increase of the input power, and then decreases. In addition to the 1.15 \( \mu\) line, the 1.16 \( \mu\) line (much weaker than 1.15) was also

Card 1/2

ACCESSION NR: AP4041833

observed with a diffraction grating. It disappears at very high input. The photograph of the beam shows a ring regardless of the adjustment of the lens. This is explained by the coherence of the stimulated radiation. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 17Jan64

ENCL: 00

SUB CODE: EC NO REF SOV: 003 OTHER: 001

RAZUMOVSKIY, A.N.; CHAYKA, M.P.

Measuring isotopic shifts on the resonance line of barium. Opt.
i spektr. 12 no.3:338-343 Mr 62. (MIRA 15:3)

(Barium--Isotopes) (Barium--Spectra)

ZIL'BERSHTEYN, Kh.I.; KALITEYEVSKIY, N.I.; RAZUMOVSKIY, A.N.;

FEDOROV, Yu.F.

Use of discharge in a hollow cathode for the analysis of impurities in silicon. Zav.lab. 28 no.1:43-45 '62.

1. Institut khimii silikatov.

(Silicon-Spectra)

(Electric discharges through gases)

S/051/62/012/003/002/016 E032/E314

AUTHORS: Razumovskiy, A.N. and Chayka, M.P.

TITLE: Measurement of the isotopic shifts on the

resonance line of barium

PERIODICAL: Optika i spektroskopiya, v. 12, no. 3, 1962, 358 + 343

TEXT: The authors report measurements of the isotopic shift of  $\lambda$  5555.6 Å BaI (6s<sup>21</sup>S o 6sp<sup>1</sup>P<sub>1</sub>), using highly-enriched

separated isotopes. Instead of the usual photographic method, the hyperfine structure was recorded photo-electrically. The main object of the present paper is to describe the experimental methods employed to reduce random and systematic errors. The photo-electric recording of the barium line was carried out with the aid of the method described in an earlier paper (Ref. 5 - Kaliteyevskiy, N.I., Malyshev, G.M. and Chayka, M.P. - Opt. i spektr., 6, 820, 1959). A Fabry-Perot etalon with a separation of 7 cm and reflection coefficient of the order of 93% was employed. An invar separator was used to reduce the temperature

Card 1/2

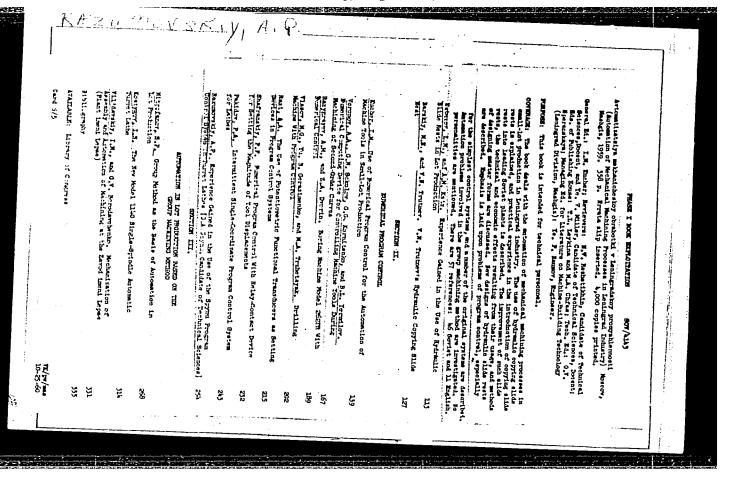
Measurement of the ....

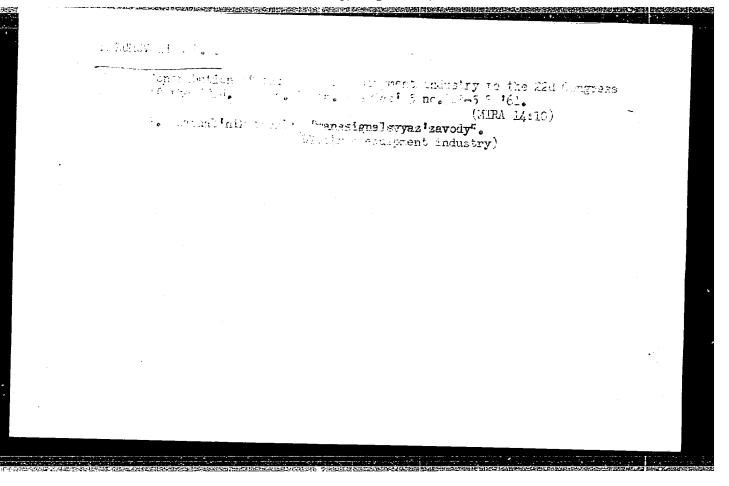
S/051/62/012/003/002/016 E032/E314

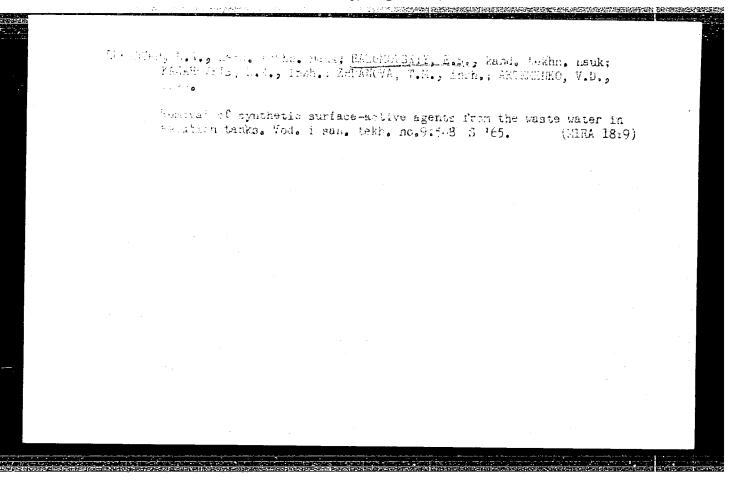
effect. An analysis is given of the effect of temperature and pressure changes on the position of the recorded maxima. Devices are described whereby these changes may be compensated in practice. The measured isotopic shifts are as follows:  $0(Ba^{138}), +5.7(Ba^{137}), +4.2(Ba^{136}), +7.6(Ba^{135}) \text{ and } \pm4.7(Ba^{134}).$  The corresponding results reported by J.E. Mack (Phys.Rev., 109, 520, 1958 - Ref. 4) are said to have been 0,  $\pm4.7$ ,  $\pm3.7$ ,  $\pm6.7$  and reliable because enriched specimens were used and all the systematic errors were excluded. Acknowledgments are expressed to N.I. Kaliteyevskiy and E.Ye. Fradkin who took part in this work. There are 5 figures and 4 tables.

SUBMITTED: : March 11, 1961

Card 2/2







RAZUMOVSKIY, E.S., inzh.

Purification of waste water from cotton enterprises at urban sewage treatment plants. Vod.i san.tekh. no.3:13-15 Mr 162. (MIRA 15:8)

(Industrial wastes) (Textile factories)

